QUOTATION

GraybaR
ELECTRIC COMPANY, INC.
206-210 EAST FIFTH STREET
DAVENPORT, IOWA

Scott County Library Board
Attn: Miss E. B. Hage
% Davenport Public Library
Davenport, Iowa

Attn: Mr. F. J. Ford, Chairman

WHEN ORDERING PLEASE MENTION 2/1/50 WLK
(DATE - REFERENCE)

IN REPLY TO YOUR INQUIRY OF WE TAKE PLEASURE IN QUOTING AS FOLLOWS:

Prices shown do not include any sales, excise or other Government charge payable by the Seller to Federal, State, or local authority. Any such taxes now or hereafter imposed u sales or shipments under the terms hereof will be added to said purchase price and Buyer agrees to reimburse Seller for any such tax. Seller is not to be accountable for delays in delivery caused by any legislative, administrative or executive law, order or regulation of the Federal Government or any State or Municipal Government or any subdivision, department, agency, offi or official thereof, or if caused by strikes, fire, floods, accidents, delays of carrier, inability to obtain suitable and sufficient labor, and necessary supplies of raw materials or other unavoida contingencies beyond Seller's control. Due to the scarcity of certain raw materials and other conditions over which we have no control, it is impossible to guarantee you firm prices.

QUANTITY	DESCRIPTION OF MATERIAL	Rate of Cash Discount	SHIPMENT FROM	F. O. B. (See Footnote)	PRICE	
	We are pleased to quote on the following fixtures for the Eldridge Library according to the intensities for the various areas specified by Miss Hagge and are attaching description bulletin on the fluorescent fixtures to be used.					
	The fixtures for the garage are 14" 150 Watt Benjamin Reflectors for mounting on 4" Outlet Boxes					
	OFFICE AREA 50 ft. candles					
12	GEO248B				12.81 Ea.	153.
16	#14 Single Stem Hangers				1.25 Ea	20.
24	No Blink Starters				.44 Ea.	10
24	F40T12/45 Lamps				.70 Ea.	16.
						201.
	STACK ROOM AREA 25 ft. candles					
16	GEO248B				12.81 Ea.	204
16	#12 Double Stem Hangers				2.50 Ea.	40
32	No Blink Starters				.44 Ea.	14
32	F40T12/45 Lamps				.70 Ea.	22
						281
	GARAGE AREA 15 ft. candles					
9	C-1813 Benj. 14" 150watt Shallow Reflectors for Mounting on 4" Outlet Boxes				3.76 Ea.	33
						51

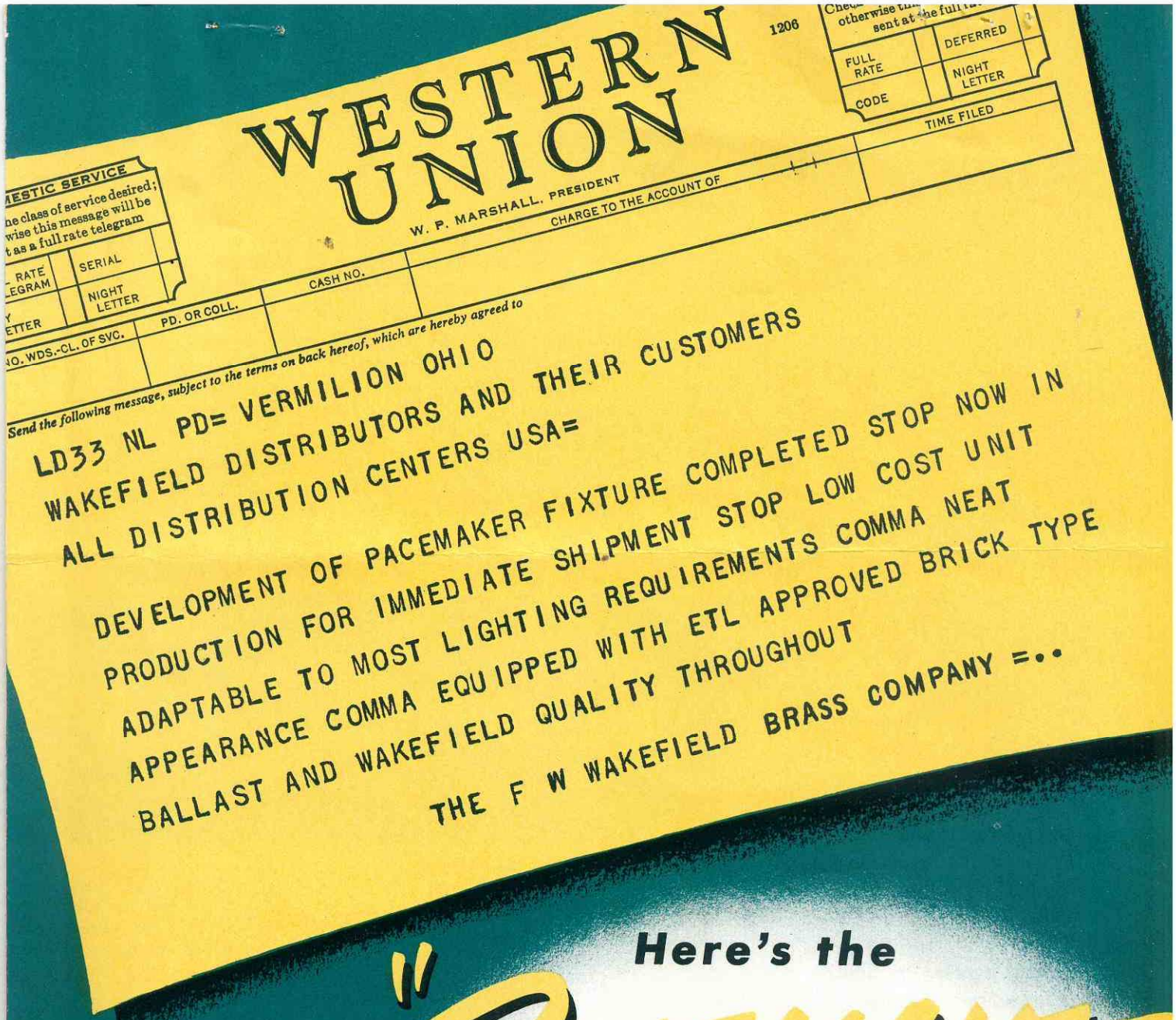
We hope that we shall be favored with your order, and assure you of prompt attention.

Yours truly,

A E Johnson

S. P. = Shipping Point
DEST. = Destination
S.P. FRT. ALL. = Shipping Point Freight Allowed

SF-55-A (6-44)



WESTERN UNION

W. P. MARSHALL, PRESIDENT

1206

Check otherwise this message sent at the full rate

FULL RATE | DEFERRED | CODE | NIGHT LETTER

TIME FILED

DOMESTIC SERVICE

Unless the class of service desired; otherwise this message will be sent as a full rate telegram

FULL RATE TELEGRAM | SERIAL | DAY LETTER | NIGHT LETTER

CHARGE TO THE ACCOUNT OF

CASH NO.

NO. WDS.-CL. OF SVC. | PD. OR COLL.

Send the following message, subject to the terms on back hereof, which are hereby agreed to

LD33 NL PD= VERMILION OHIO

WAKEFIELD DISTRIBUTORS AND THEIR CUSTOMERS

ALL DISTRIBUTION CENTERS USA=

DEVELOPMENT OF PACEMAKER FIXTURE COMPLETED STOP NOW IN

PRODUCTION FOR IMMEDIATE SHIPMENT STOP LOW COST UNIT

ADAPTABLE TO MOST LIGHTING REQUIREMENTS COMMA NEAT

APPEARANCE COMMA EQUIPPED WITH ETL APPROVED BRICK TYPE

BALLAST AND WAKEFIELD QUALITY THROUGHOUT

THE F W WAKEFIELD BRASS COMPANY =..

Here's the

"PACEMAKER

Fluorescent Lighting Fixture

IT'S NEW
IT'S VERSATILE
IT'S INEXPENSIVE

IT'S NEAT
IT'S EFFICIENT
IT'S JUST PLAIN GOOD

AND IT'S *Wakefield* QUALITY

A stock sample was tested

. . . and here's the result!

The PACEMAKER'S ETL Curve and Utilization Factors were secured by testing a random production sample, not a "souped-up" model. These units carry the Fleur-o-lier Label, and are approved by both Underwriter's Laboratory and Electrical Testing Laboratories. Notice total over all efficiency of 83%.

MF-0.75
No.
GOE-2484
with
louver

↑
40.5
42.5
↓

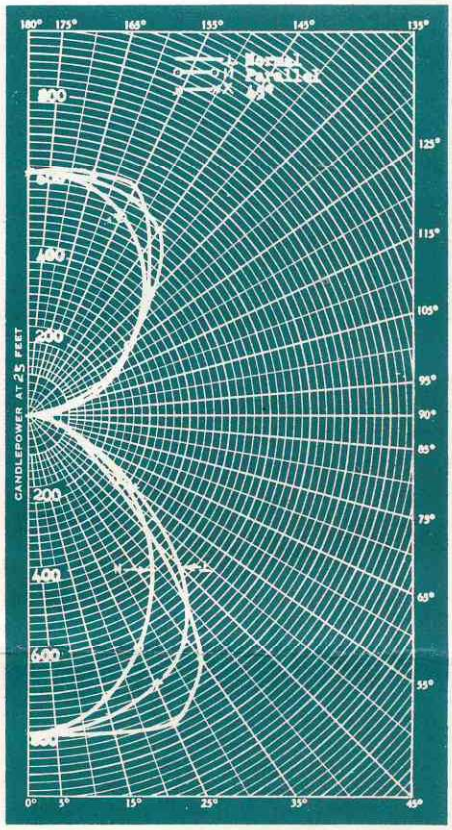
COMPUTATIONS

The lamp lumens required to light a room are computed from the follwing formulas:

$$\text{Lamp Lumens Required} = \frac{\text{Footcandles} \times \text{Area of Room}}{\text{Utilization Factor} \times \text{Maintenance Factor}}$$

$$\text{Lamp Lumens per Luminaire} = \frac{\text{Total Lumens Required}}{\text{Number of Luminaires to be installed}}$$

Ceiling	75%			50%			30%	
Walls	50%	30%	10%	50%	30%	10%	30%	10%
Room Index	Coefficient of Utilization							
J	0.31	0.27	0.25	0.27	0.25	0.23	0.23	0.21
I	0.37	0.34	0.32	0.33	0.31	0.29	0.28	0.27
H	0.41	0.38	0.36	0.36	0.34	0.33	0.32	0.30
G	0.45	0.42	0.40	0.40	0.37	0.36	0.34	0.33
F	0.48	0.45	0.42	0.42	0.40	0.38	0.36	0.35
E	0.51	0.49	0.46	0.46	0.43	0.41	0.39	0.37
D	0.56	0.52	0.49	0.48	0.46	0.44	0.41	0.40
C	0.58	0.55	0.51	0.50	0.48	0.46	0.42	0.41
B	0.61	0.57	0.55	0.52	0.50	0.48	0.44	0.43
A	0.62	0.59	0.57	0.54	0.52	0.50	0.46	0.44



Folder No. 4-49-20M

Printed in U. S. A.

Wakefield

THE F. W. WAKEFIELD BRASS COMPANY, VERMILION, OHIO

TELEPHONE 5201

Quotation

PHONE 2-6

MERCHANDISE DISTRIBUTOR

CRESCENT ELECTRIC SUPPLY CO.

505 PERSHING AVENUE
DAVENPORT, IOWA

TO	SUBJECT	DATE 1/30/50
Scott County Library Elridge, Iowa	Library Lighting	QUOTATION NUMBER 3 PAGE NO. BY L.E.E

ITEM NO.	QUANTITY		UNIT PRICE	EXTEN
	~~24~~			
	~~15~~			
	~~20~~	21 - 3031 Mitchell 2 Lamp 40 W Units	14.31 -	$300.51 ~~286~~
	~~6~~	~~21 3032 " " 4 " 40 W Units~~	~~21.33~~	~~127~~
	~~21~~ ~~26~~	21 - 032ST " Hangers	1.76 -	36.96 ~~45~~
	~~64~~ ~~42~~	42 - 40 W T12 4500 degree White Lamp	.60 -	25.20 ~~38~~
	4	11100 Benjamin Reflectors	1.92 -	7
	4	150 W 120 V Silver Bowl Lamp	.27	1
	4	1623 4" Lampholders	.16.50c	
		Federal Excise Tax on Lamp		
	42	No Blink starters @	.35 ea	$14.70
		Above Fixtures are F.O.B. Chicago		
			TOTAL	$386

TERMS: _____

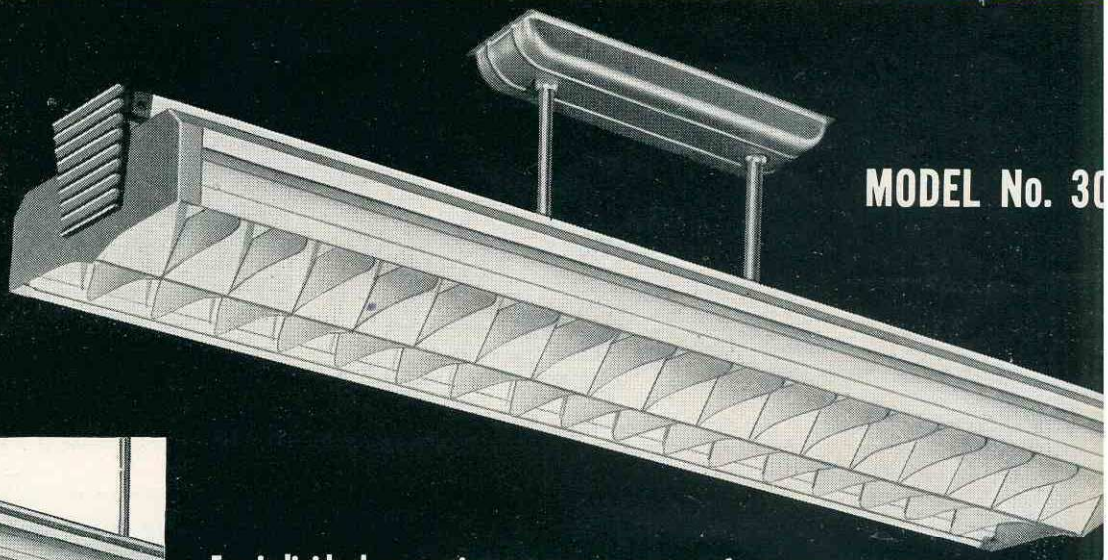
F.O B. POINT _____ DELIVERY _____

THE NEW
ALL-METAL
2-40 Watt

MITCHELL

School Lighting Uni
Scientifically Engineered
for Efficient Classroom Lightin

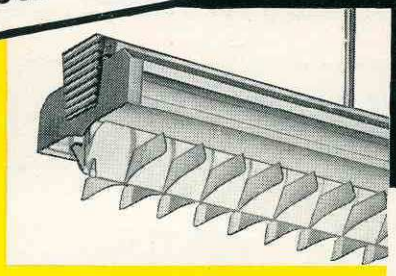
NO GLASS TO CLEAN OR BREAK



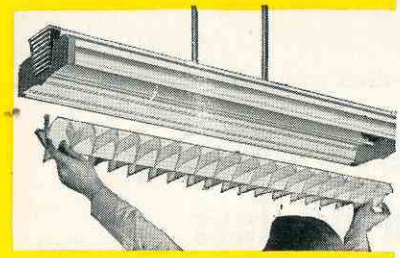
MODEL No. 30

EXCLUSIVE "2-POSITION LOCK" LOUVER

For individual or continuous row mount, surface or suspension



Louver drops smoothly on two slotted hangers at the flick of a finger. Makes relamping and cleaning quick, simple and safe. Louver cannot drop out accidentally.



Louver may be removed instantly, by simply pressing slotted hangers. Easily snaps back into position in a jiffy. An exclusive MITCHELL feature.

Ideal illumination for the modern classroom. Provides abundant, glare-free light, uniformly distributed. Prevents eye-strain and fatigue, steps up school efficiency.

Lowest Cost! Better Light! Less Maintenance

Here is the Fluorescent Luminaire that brings truly economical and super-efficient lighti to classrooms, libraries, public buildings and institutions. MITCHELL Model No. 30 is scientifically designed to provide high light output with low brightness contrast, free eye-tiring variations in light intensity. Features efficiently designed louver and indirec illuminated sides which eliminate dark areas.

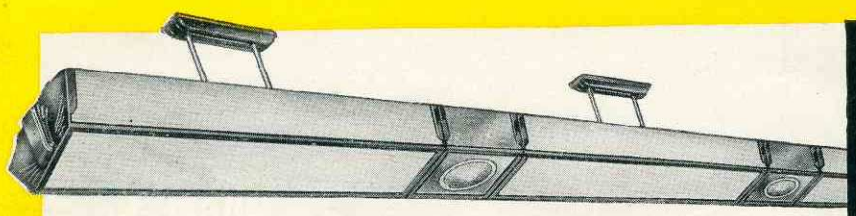
The Model No. 3031 unit is constructed entirely of metal—has no glass shielding panels to break or clean. Smooth design of all vertical surfaces on louver, sides and en eliminates dirt accumulation; there are no horizontal glass surfaces to gather dust a dirt. An exclusive feature of the gracefully contoured louver is its special locking a hanging principle that greatly simplifies maintenance. Just the flick of a finger releases t lock, allowing the louver to slide down into an open position on two slotted hangers. Th feature prevents accidental dropping of the louver, and permits quick, simple relampi and cleaning. When desired, the louver may be completely removed simply by pressi the slotted hangers. Top reflector rails are easily removable for immersion washir

Model No. 3031 may be flush or suspension mounted, individually or in continuo rows. Finished in Baked White Enamel, with Satin Aluminum decorative metal end piec Uses latest E.T.L. Approved Brick Type Ballasts (High Power Factor). Dimensior 48⅛" long, 11⅝" wide, 5¾" deep (see detailed dimensional drawing on other side of th sheet). Completely wired, ready to hang. Knockouts and holes are provided for ea mounting. For individual suspension mounting, use Double Stem Set 032ST. For co tinuous row suspension mounting specify Single Stem Set 031ST (number required: o more than total number of units in row). Individually packed. Operates on 110-125 vol 60 cycle Alternating Current. Approved by Underwriters' Laboratory.

Model No.	Shpg. Wt.	Description
3031	38 lbs.	2-40 Watt School Lighting Unit
032ST	4½ lbs.	Double Canopy and Stem Suspension Set (for individual mounting). 36" long.
031ST	3 lbs.	Single Canopy and Stem Set (for economical continuous row mounting). 36" long.

MITCHELL SPOTLIGHTS

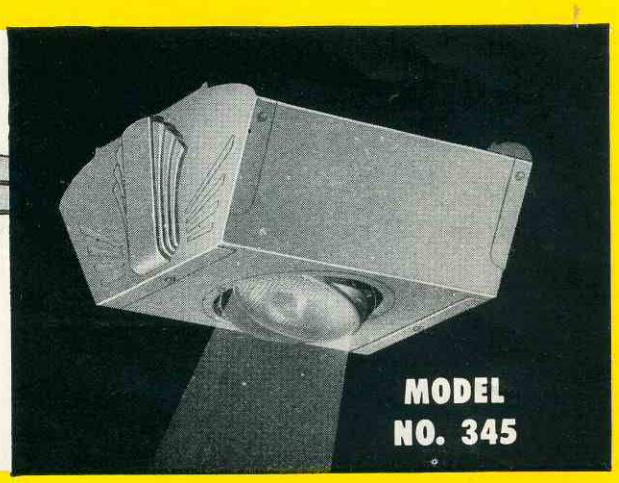
For Individual or In-Line Mounting with Standard MITCHELL Commercial Fixtures

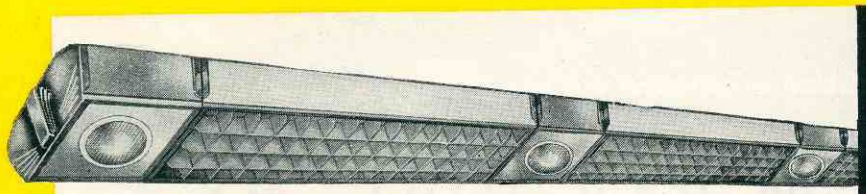


MODEL NO. 345

For use with 2-40 Watt Commercial Fixtures. MITCHELL Model Nos. 3005, 3006, 3009 and 3010.

Length.....11⅞"
Width.....12½"
Depth..... 7⅞"
PACKED: 1 to a carton;
Shipping weight 7½ lbs.

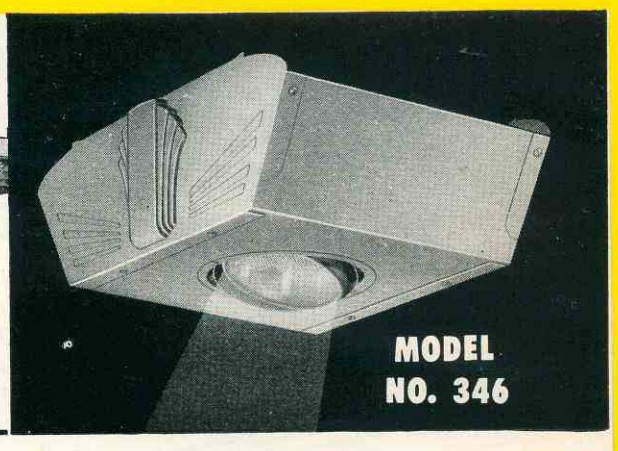




MODEL NO. 346

For use with 4-40 Watt Commercial Fixtures. MITCHELL Model Nos. 3007, 3008, 3011 and 3012.

Length.....11⅞"
Width.....17 "
Depth..... 7⅞"
PACKED: 1 to a carton;
Shipping weight 8¾ lbs.



Provides Adjustable High-Intensity Downlighting for Dramatizing Merchandise and Displays

Here is ideal "selling" light—dramatic spot illumination that adds brilliant beauty and "punch" to merchandise and displays. These new units may be used individually, inserted between two fixtures, or added at either end. Handsome and compact, designed to enhance the appearance of any commercial interior.

Units use PAR-38 projector spot or flood lamp. Light beam is readily adjustable in all directions by means of a gimbal ring; beam may be offset from the vertical up to a 45° angle. Easily installed. Knockouts are provided on top of units for ceiling mounting to outlet box. Units may be supported between two fixtures by means of chase nipples provided at either end. Decorative end ornaments are quickly removable for in-line surface or stem mounting. All-steel construction, attractively finished in Satin Aluminum. Underwriters' Approved.

MITCHELL
First Choice in Lighting

— Quotation —

PHONE 2-627

MERCHANDISE GE DISTRIBUTOR

CRESCENT ELECTRIC SUPPLY CO.

505 PERSHING AVENUE
DAVENPORT, IOWA

TO	SUBJECT	DATE 1/30/50
Scott County Library Eldridge, Iowa	Library Lighting	QUOTATION NUMBER 1 PAGE NO. BY L.E.L

ITEM NO.	QUANTITY		UNIT PRICE	EXTENSI
	21 23 ~~15~~	M4444-H4 Guth 2 lite 40 w Units with hangers	20.92ea	313.8
	~~6~~ 50	M4445-H Guth 2 lite 85 w Units with hangers	35.10ea	210.6
	30	40 w T 12 4500 degree White lamp	.60ea	18.0
	12	85 w T 12 4500 degree White lamps	1.38ea	16.
	4	11100 P Benjamin Reflectors	1.92ea	7.
	4	150 w 120 V Silver Bowl Lamps	.27ea	1.
	4	1623 4" Lamp Holder	15.50c	.
		Federal Excise Tax on Lamps		6.
				574.
	4 r	No Blink starters	.35ea	
		Above fixtures are F.O.B. Davenport.		

TERMS: _____

F.O.B. POINT _____

DELIVERY _____

Quotation

PHONE 2-6273

MERCHANDISE GE DISTRIBUTOR

CRESCENT ELECTRIC SUPPLY CO.

505 PERSHING AVENUE
DAVENPORT, IOWA

TO	SUBJECT	DATE 1/30/50
Scott County Library Elridge, Iowa	Library Lighting	QUOTATION NUMBER 2 PAGE NO. BY L.E. L.

ITEM NO.	QUANTITY		UNIT PRICE	EXTENSION
	20	M4444 H Guth 2 lite 40 w Units with hangers	20.92ea	418.40
	6	M4445 H Guth 2 lite 85 w Units with hangers	35.10 ea	210.60
	40	40 w T 12 4500 degree White lamp	.60ea	24.00
	12	85 w T 12 4500 degree White Lamp	1.38ea	16.56
	4	11100 P Benjamin Reflectors	1.92ea	7.68
	4	150 w 120 V Silver Bowl Lamps	.27ea	1.08
	4	1623 4" Lamp Holder	16.50c	.66
		Federal Excise Tax on Lamp		7.23
				686.21

Above fixtures are F.O.B. Davenport

TERMS: _____

F.O B. POINT _____

DELIVERY _____

The Really **NEW** *and* **DIFFERE**

Guthlite*

Featuring the Ingenious

"JACKNIFE" HING

For Easy Safe, Speedy **Maintenance**

LAMPS REPLACED

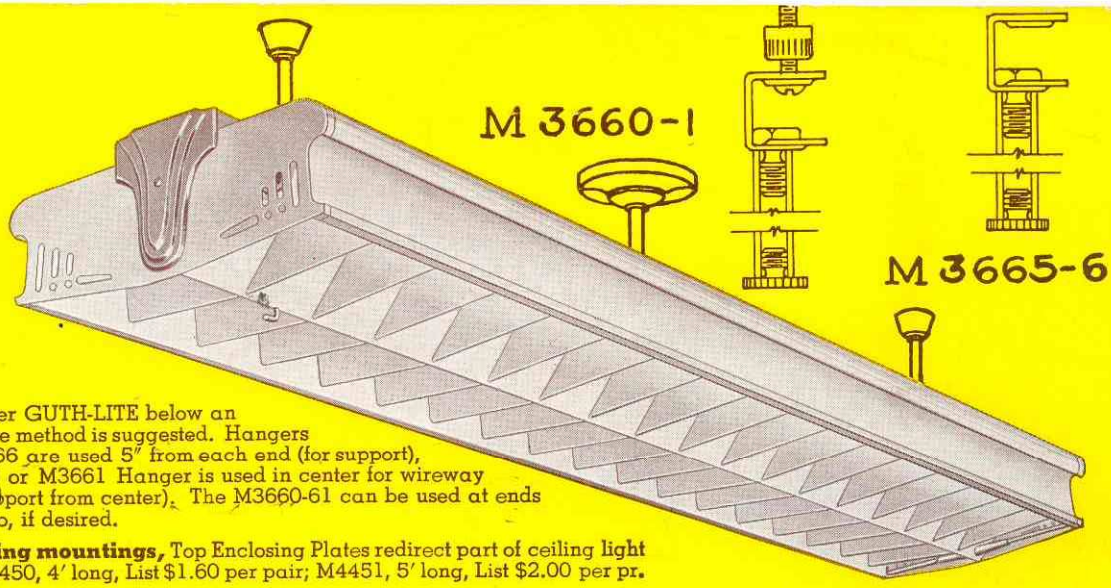
STARTERS CHANGED

REFLECTORS CLEANED

All, Right From the Floor

No Ladders . . . No Fuss

*TRADE MARK
U. S. AND CANADIAN
PATENTS PENDING



NOTE: To center GUTH-LITE below an outlet box, above method is suggested. Hangers M3665 or M3666 are used 5″ from each end (for support), and an M3660 or M3661 Hanger is used in center for wireway only (not for support from center). The M3660-61 can be used at ends (for support), too, if desired.

For close ceiling mountings, Top Enclosing Plates redirect part of ceiling light downward. M4450, 4′ long, List $1.60 per pair; M4451, 5′ long, List $2.00 per pr.

DATA FOR PLANNED GUTHLITE-ING

CONSTRUCTION

GUTH-LITES are available in two sizes, for 2-40W and 2-100W lamps. Channels and Reflectors are made of heavy gauge steel, finished 300° PERMALUX WHITE. Shielding Louvres are Satin Finished ALZAK Aluminum. Ends have die-cut light windows and decorative aluminum ornaments (furnished with all GUTH-LITES).

GUTH-LITES are wired for 110-125 Volt, 60 Cycle, A. C., and have 95-100% Hi-Power Factor Tulamp Ballasts.

INSTALLATION

GUTH-LITES may be mounted singly or in continuous rows. In continuous rows, end ornaments are removed and KO's are used for wiring and joining. Additional joining with stove bolts through small circular holes in ends will assure perfect alignment.

GUTH-LITES may be mounted directly to the ceiling although GUTH New-Style Single Stem Hangers at least 6″ long are recommended. Two Single-Stem Hangers are used for individual mountings, and one hanger per fixture plus an extra hanger per row are used in "runs". For convenient servicing from the floor, or a chair, the 40W GUTH-LITE should be installed on 12 ft. or lower mounting height, and the 100W Unit, on 13 ft. or lower mounting height.

MOUNTING KO'S

GUTH-LITE Channels have 9/16″ mounting KO's on 10″ and 38″ centers in both the 40 and 100W sizes. The 100W fixtures also have KO's on 50″ centers. Additional 3/16″ KO's are provided in channels for mounting with wood screws or toggle bolts.

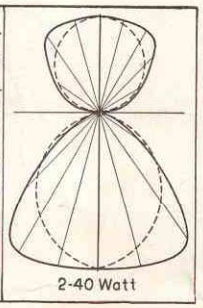
LIGHTING PERFORMANCE

GUTH-LITE distribution is divided into 43% uplight and 57% downlight. The Luminaire is rated ELEVEN by the "Ward Harrison Brightness Factor Rating System."

GUTH-LITES (2-40W) are available with QUICKLITER Ballasts—M4444QL, List $55.50: M4446QL, List $48.00.

COEFFICIENTS

Ceiling	75%			50%		
Walls / Room Index	50%	30%	10%	50%	30%	10%
J	.28	.24	.22	.25	.23	.21
I	.34	.31	.29	.31	.28	.27
H	.38	.34	.33	.34	.31	.30
G	.41	.38	.36	.37	.34	.33
F	.43	.41	.38	.39	.36	.35
E	.47	.44	.42	.42	.40	.38
D	.50	.47	.45	.45	.42	.41
C	.52	.49	.47	.46	.44	.42
B	.55	.52	.50	.48	.46	.45
A	.56	.54	.52	.50	.48	.46



NOTE: Above for M4444—Suspended. E. T. L. Report No. 324890.

PRICES AND DIMENSIONS

Cat No.	Wattage	Dimensions	Shp. Wt.	List Price
M4444	2-40W	48 3/8*x12 1/2″x5″	30#	$47.50
M4445	2-100W	60 3/8*x12 1/2″x5″	44#	$72.50

*Length does not include end ornaments. Ornaments add 3/4″ to overall length of fixture.

Separate Reflector Assemblies are suggested for large jobs where "spares" will facilitate cleaning or servicing.

Cat No.	Wattage	Description	List Price
M4446	2-40W	Reflector Assy. Only	$40.00
M4447	2-100W	Reflector Assy. Only	$60.00

Hangers must be ordered separately. Use only New Style GUTH Single Stem Hangers.

M3660—24″ long . . $3.00* **M3661—6″ long . . $2.25***

*Prices are for standard lots of 8 or more; for less than 8, add 15% to above prices.

Extension Pieces for Single Stem Hangers

Cat. No.	Description	Std. Pkg.*	Less Std. Pkg.*
M3340	6″ Extension	$0.65	$0.85
M3341	12″ Extension	.90	1.05
M3342	24″ Extension	1.35	1.50

*Standard Package of 12.

M3665	24″ Long	$3.00*
M3666	6″ Long	2.25*

*Prices are for 8 or more; for less than 8 add 15%.

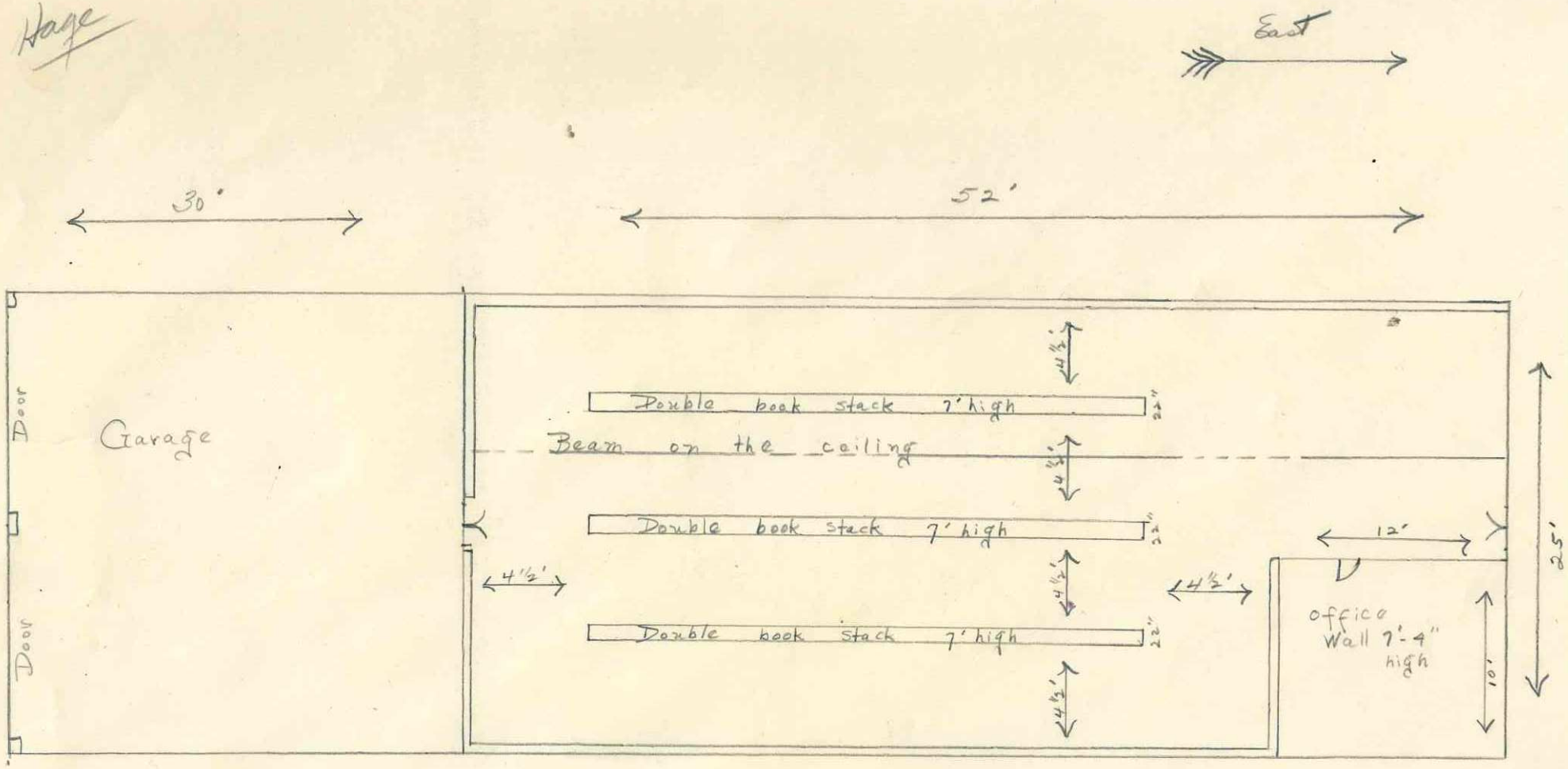
THE EDWIN F. Guth COMPANY

Leaders In Lighting Since 1902! *St. Louis 3, Mo.*

Printed in U. S. A.

Form No. 845-3-48

Hage



12' Ceiling

Specifications for Garage

15' candles. Incandescent lights

14" flat reflector type fixture, set on ceiling. Silver bowl bulbs.

Switches at both ends of garage

Specifications

50' candles in front 12' of building where close work will be done.

25' candles in the other 40' of the room.

To be fluorescent lighting with no-blink starters. Louvered fixtures. Lights for office and other work space to be on separate switches — both to be separate from other lights. Switches for stack room to be at both

WESCO FORM A-3057 A

WESTINGHOUSE
ELECTRIC SUPPLY COMPANY

ADDRESS 402 E. 4th St.
Davenport, Iowa

DATE Jan. 1950

TO:— Elizabeth B. Hage
Public Library
Davenport, Iowa

WHEN ORDERING PLEASE REFER TO QUOTATI No. 3304

WE THANK YOU FOR YOUR INQUIRY OF Scott Co. Library AND ARE PLEASED TO QUOTE YOU AS FOLLO

	QUANTITY	DESCRIPTION	PRICE UNIT	PRICE TOTAL	Rate Of Cash Discount	D
1.	8	CC-160 for reading room & office space #1566710	24.65ea	117.20		
2.	23	2FB-40 #1376118 with #1374744 louvre 2-40watt baked enamel reflector for Stacks	19.70ea	453.10		
3.	6	343710 RLM Box mounting watt using 300 watt lamp /500	4.36ea	26.16		
ALT2	23	CC-80 #1566702 for stacks 2 40watt louvered	14.65ea			
	78	40 watt T12 4500 degree white tubes for above fluorescent fixtures	.60ea	46.80		
				643.26		

SUBJECT TO THE STANDARD CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND WHICH ARE A PART HEREOF

WE HOPE WE SHALL BE FAVORED WITH YOUR ORDER AND ASSURE YOU OF OUR PROMPT ATTENTION

F. O. B. Eldridge, Iowa.

WESTINGHOUSE ELECTRIC SUPPLY COMPAN

PER R. W. Whittock